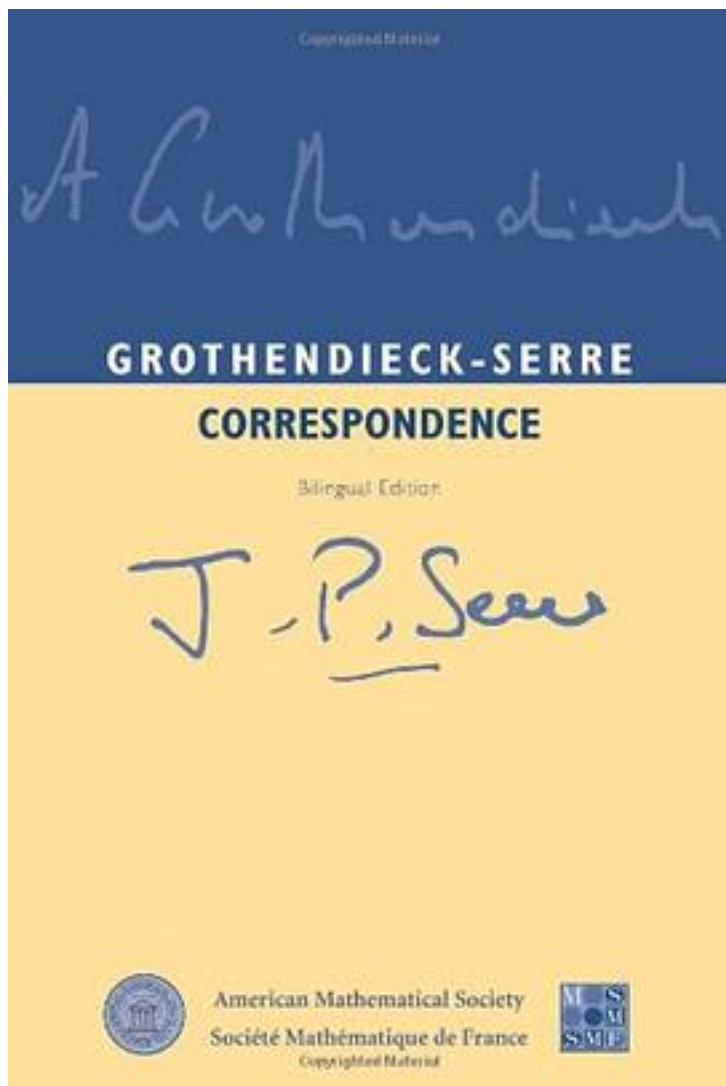# Grothendieck-Serre Correspondence

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著者:Jean-Pierre Serre

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This extraordinary volume contains a large part of the mathematical correspondence between A. Grothendieck and J.-P. Serre. It forms a vivid introduction to the study of algebraic geometry during the years 1955-1965. During this period, algebraic geometry went through a remarkable transformation, and Grothendieck and Serre were among central figures in this process. In the book, the reader can follow the creation of some of the most important notions of modern mathematics, such assheaf cohomology, schemes, Riemann-Roch type theorems, algebraic fundamental group, motives, etc. The letters also reflect the mathematical and political atmosphere of this period (Bourbaki, Paris, Harvard, Princeton, war in Algeria, etc.). Also included are letters written between 1984 and 1987. Theletters are supplemented by J-P.Serre's notes, which give explanations, corrections, and references to further results. The book is a unique bilingual (French and English) volume. The original French text is supplemented here by the English translation, with French text printed on the left-hand pages and the corresponding English text printed on the right. The book also includes several facsimiles of original letters. The original French volume was edited by Pierre Colmez and J-P. Serre. TheEnglish translation for this volume was translated by Catriona Maclean and edited by J-P. Serre and Leila Schneps. The book should be useful to specialists in algebraic geometry, mathematical historians, and to all mathematicians who want to experience the unfolding of great mathematics.

作者介绍:

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标签

数学

代数几何

J-P.Serre

algebraic-geometry

Grothendieck

书信

Serre

法国

评论

局部有方程和坐标，而整体没有方程。研究代数几何，依据代数，不要被几何所误导。Grothendieck的风格不看方程，直接从整体（嵌入）开始-从导出函子开始用同调代数表示一切："Mittag-Leffler"逼近过程lim作为导出函子, Cartan's theorems A and B（szyzygytic resolutions）作为其特例,

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T:QA 29 .G697 A4 2004

匆匆浏览了一遍...

@2014-09-01 19:03:13

Grothendieck和Serre珍贵书信集，可以看到Grothendieck是怎么发展他的理论的，以及一些非数学的讨论。

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书评

serre在给grothendieck的回信中说：one thing strikes me in the texts that i have seen：you are surprised and indignant that your former students did not continue the work which you had undertaken and largely completed. but you do not ask the most obvious que...

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